

## 888 – Recommended practices for electrification of oil and gas facilities

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Abstract: One of the key focuses of decarbonization efforts has been electrification.

The international oil & gas producers organisation has produced a recommended practice (RP) to share with companies to use electrification as part of their GHG emission reduction strategies.

Electrification should be considered as the potential base case for future greenfield project developments.

The use of electricity for shaft power (compression, pumping) and heat (fired heaters, boilers) allows the facility to use low carbon intensity power rather than burn hydrocarbons.

Even in cases where connection to a low carbon intensity grid is not immediately possible, an electrified solution may be used in place of mechanical drivers and fired equipment which would otherwise 'lock in' emissions for the lifetime of the asset.

The recommended practice provides:

- A summary of technologies most likely to be used
- Methodologies for evaluating the benefits and challenges
- Guidance on key activities and studies to be done during project development

The tutorial will present the recommended practice and give some examples of deployments.